

Claims

1. Regulated dashpot with shock-absorption force controls, especially intended for motor vehicles, with at least one flow-regulating system including one or more shock-absorption components for the compression phase and/or for the decompression phase, characterized in that at least one valve assembly is supplied with variable flow impedance by a regulating valve (5, 6, or 31).

2. Dashpot as in Claim 1, characterized by at least one bypass valve (7, 19, 20, or 33) with a constricted cross-section hydraulically paralleling the flow-regulating systems.

3. Dashpot as in Claim 1 or 2, characterized by at least one regulating system for the compression phase and at least one the decompression phase in the form of regulating valves (5 & with a variable flow constriction.

4. Dashpot as in one or more of Claims 1 through 3, characterized by previously adjusted pressure-dependent valve assemblies (18) with a fixed flow cross-section for the compression and/or decompression phase and with a hard performance curve, hydraulically paralleling the flow-regulating or shock absorption systems.

5. Dashpot as in one or more of Claims 1 through 4, characterized by previously adjusted pressure-dependent valve

1 assemblies (18) with a fixed flow cross-section for the
2 compression and/or decompression phase and with a soft
3 performance curve, that can be activated and deactivated
4 individually or separately, hydraulically paralleling the flow-
5 regulating and/or shock absorption systems.

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7 6. Dashpot as in one or more of Claims 1 through 5,
8 characterized in that the flow-regulating, flow-constricting, or
9 shock-absorption systems are accommodated in a separate
10 component, preferably in the form of a flow regulating block (41)
11 outside the dashpot and communicating with it by way of
12 hydraulic-fluid lines.

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14 7. Dashpot as in one or more of Claims 1 through 5,
15 characterized in that the flow-regulating, flow-constricting, or
16 shock-absorption systems are accommodated in or on its piston
17 (3).

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19 8. Dashpot as in one or more of Claims 1 through 5,
20 characterized in that the flow-regulating, flow-constricting, or
21 shock-absorption systems are accommodated in or on its bottom
22 valve (46).

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